

Installation Guide



Looks great - A contemporary tongue and groove styled soffit, with hidden fixings, that provides a versatile and sleek lining complimenting a range of building designs and material choices.

Low maintenance - A prefinished soffit that will never need painting, no matter the conditions, allowing more time to do the things you enjoy.

Long lasting - A durable soffit that's made in New Zealand, for New Zealand conditions, and backed by a 25 year guarantee for peace of mind.

Dynex Soffit is 5.5mm in thickness, 150mm wide, comes in 3.7m lengths and is manufactured by Dynex Extrusions from durable uPVC. It is ideal for lining soffits as well as verandas, carports and other outdoor living spaces.

For that stylish finishing touch, choose Dynex Soffit. The smart choice in soffit.

For more information please visit www.dynex.co.nz/dynexbuild/soffit

Or contact Dynexbuild on 08004DYNEX or sales@dynex.co.nz

Contents

1.0	Important information and preparation.....	2
1.1	Important information.....	2
1.2	Storage and handling.....	2
1.3	Temperature.....	2
1.4	Fixing specification.....	2
1.4.1	Timber Framing.....	2
1.4.2	Steel Framing.....	2
1.4.3	Microclimatic Conditions.....	2
1.5	Allowing for expansion and contraction.....	2
1.6	Setting out and quantifying.....	2
1.7	Tools required.....	2
1.8	Venting.....	3
1.9	Lighting.....	3
1.9.1	Surface mounted.....	3
1.9.2	Recessed.....	3
1.10	Fire.....	3
2.0	Installation procedure.....	3
2.1	Starting out.....	3
2.2	Tongue and groove joins.....	4
2.3	Nailing.....	4
2.3.1	Standard fixing.....	4
2.3.2	Mid fixing.....	4
2.4	Accessories.....	5
3.0	Further Information.....	5
3.1	Warranty.....	5
3.2	Product feedback.....	5
3.3	Environmental policy.....	5
4.0	Care and maintenance.....	6

1.0 Important information and preparation

1.1 Important information

- **Do not over nail the boards** (see 'Nailing' section for details)
- **Do not install on wet framing** (see 'Allowing for expansion and contraction' section for more details)
- **Do not use as exterior cladding**
- **Do not put hot objects near soffit** (see 'Care and maintenance' section for more details)

1.2 Storage and handling

Soffit boards should be kept in their protective packaging until the time they are installed. Keep boards on a flat surface in an area on site where they will not be damaged. Do not lay other materials on top of the soffit. When opening the bags, take care that the boards do not get damaged.

1.3 Temperature

Additional care should be taken when fixing the soffit at temperature extremes. Where possible, installation should be carried out in a temperature range between 10°C and 25°C. If working outside this range, additional allowances for expansion and contraction are required. See 'Allowing for Expansion and Contraction' section for more details.

1.4 Fixing specification

1.4.1 Timber Framing

Nail 32X3.05mm HDG Plain Shank 9.5mm head

1.4.2 Steel Framing

Self-drilling Screw HDG Class 4 with a shank diameter of 3.5mm and minimum head width of 9.25mm.

1.4.3 Microclimatic Conditions

The fixing of Dynex Soffit in microclimatic conditions (e.g. geothermal hot spots, corrosive atmospheres) required special consideration. Contact Dynex for further information.

1.5 Allowing for expansion and contraction

It is important to allow for the soffit boards to expand and contract in varying temperatures. In cold conditions (less than 10°C), for lengths of soffit exceeding 1m, allow 3mm for maximum movement due to temperature changes (cut 3mm undersize). On hot days (above 25°C), for lengths of soffit exceeding 1m, allow 3mm for maximum movement (cut 3mm oversize). When working between 10°C and 25°C, boards can be cut to size.

The fixing point closest to the fascia should be nailed firmly. All other fixings are to be nailed to allow for board movement (not hard nailed). See 'Nailing' section for more details. Nail only in a full slot. If a slot is

It is also important to note that the soffit should not be installed on to wet framing. When the framing dries and moves, it may cause the soffit to distort. Ensure the timber has a moisture content of 18% or lower prior to installation.

1.6 Setting out and quantifying

Effective cover of board	150mm
Board Length	3.7m
Board thickness	5.5mm
Board cover (m2 per board)	0.56m2

1.7 Tools required

Dynex Soffit does not require any special tools

and can be cut and nailed using a wide variety of standard building equipment including circular saws, jig saws and other power tools.

Cutting; an electric circular saw or drop saw (using a fine tooth blade with a minimum of 20 teeth). An electric jigsaw, router, angle grinder (using a continuous rim blade) or a standard hand saw may also be used.

Ensure a fine tooth blade is used on saws as to avoid any splintering or cracking of boards.

Hole forming; When cutting or drilling holes for lighting, venting or accessories, standard hole-forming attachments can be used. Care should be taken not to force the jigsaw or drill too hard or quickly.

1.8 Venting

When installing the soffit where there is a skillion/mono pitch roof and little or no roof cavity, ventilation must be provided to avoid excessive heat from affecting the boards in applications where the soffit is greater than 1.5m from wall to fascia.



It is recommended that equal size/area inlet and outlet vents be used. Ensure ventilation paths are not obstructed.

1.9 Lighting

1.9.1 Surface mounted

It is important to note that Dynex Soffit is not a load bearing material. It is recommended that surface mounted lighting (or other items)

be installed directly to bearers or framing. The soffit must be allowed to expand and contract in varying temperatures and not be hard fixed in place against the framing (see allowing for expansion and contraction' section). Install lighting to the framing with an over-sized hole through the soffit, where practical, to allow the soffit to move. Holes should be 5mm oversize.

1.9.2 Recessed

Most small recessed lights that are held in place using clips can be installed directly to the soffit. It is recommended that recessed lighting be low wattage LED, IC rated. If using Halogen or CA rated recessed lights, they should be 50watt maximum output. Check lighting manufacturers specifications for correct use and installation clearances.

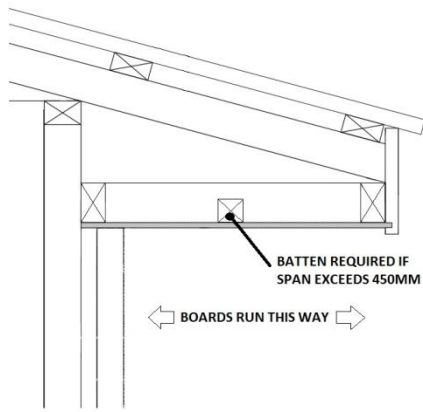
1.10 Fire

Dynex Soffit is suitable for buildings in risk group SH (detached housing), where the soffit is more than 650mm from a relevant boundary, as there is no requirement for the control of external fire spread. Contact Dynex Extrusions for further information on buildings in other risk groups or where the soffit is installed closer than 650mm from a boundary.

2.0 Installation procedure

2.1 Starting out

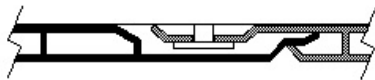
Additional battens are required if the span of the eaves exceeds 450mm. See below.



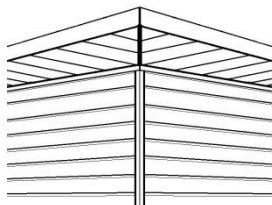
Dynex Soffit is designed to run from wall to fascia (perpendicular to the wall). Boards are cut to length and firstly inserted into the fascia slot and then nailed in place.

2.2 Tongue and groove joins

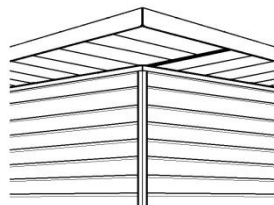
Boards are inserted in to one another to create a tongue and groove joint. Ensure the boards are pushed firmly in place. See below.



Corner junctions can either be mitred or square using the standard jointer accessory. See 'Accessories' section for more details.



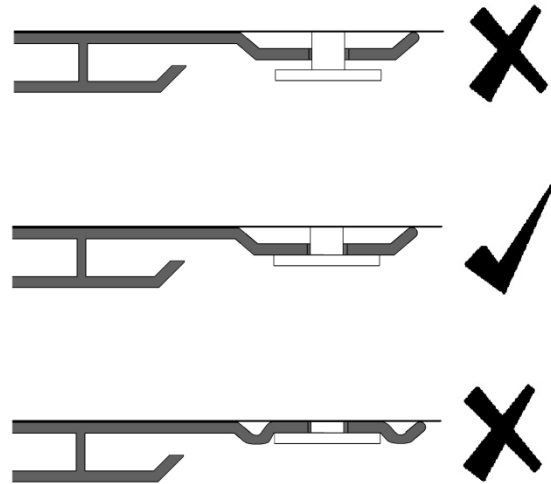
MITRE CORNER



SQUARE CORNER

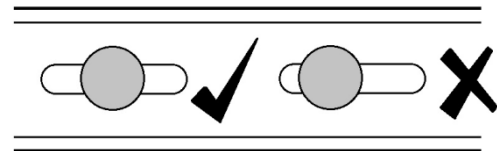
2.3 Nailing

DO NOT HARD NAIL. The nail head must sit flush with the nailing strip and not deform. See below.

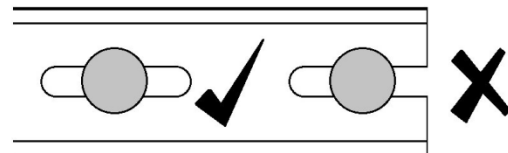


2.3.1 Standard fixing

DO NOT NAIL THROUGH SOFFIT BOARD. Nail through the centre of the nailing slots only.

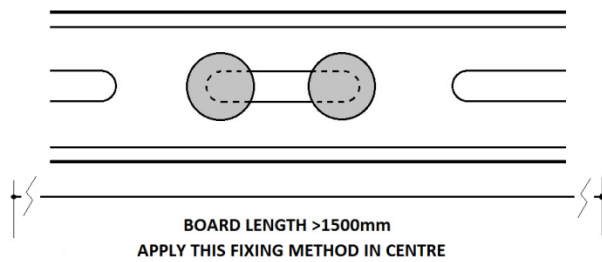


Do not nail in a partial slot. If a slot is cut through at the end of a board, nail in the nearest full slot.



2.3.2 Mid fixing

When the length of one board is longer than 1500mm apply two fixings to a slot approximately half way along the board length (i.e. 1800mm for a 3600mm board length). These should be placed so that the shaft of each nail is positioned at either end of the same slot. This will prevent product migration (also known as creepage) over time. See below.

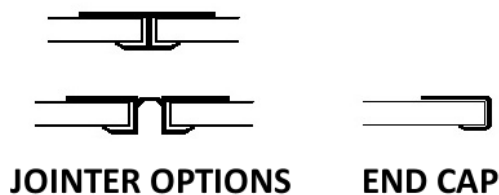


2.4 Accessories

Jointer and end cap accessories are available for use with Dynex Soffit.

Jointers: Used at corners where the direction of the soffit changes (mitre or square). Used for joining longer lengths of soffit.

End cap: Used as a starting point or ending point for boards or for finishing off a ripped board.



3.0 Further Information

3.1 Warranty

- Subject to the above product information, if Dynex Soffit is used and installed according to Dynex Extrusions Limited's published recommendations, we guarantee Dynex Soffit to be free from defects in material and workmanship for a period of 25-Years from the date of purchase.
- If you consider that our guarantee has not been fulfilled, do not attempt

repairs or replacement but contact in the first instance the installer or alternatively Dynex Extrusions Limited P O Box 19-133, Avondale, Auckland. Dynex Extrusions Limited will then recommend appropriate course of action.

- If Dynex Soffit has been used and installed in accordance with the requirements of this guarantee (set out above) but does not comply with that guarantee, we will replace the product or refund its purchase price.
- This guarantee is given to consumers as defined in and who have the rights under the Consumer Guarantees Act 1993 and should be read with the statutory consumer guarantees contained in that act.

3.2 Product feedback

We value your feedback. To continue to develop and produce excellent products we would value any input you have.

Sales; 0800 439 639 or sales@dynex.co.nz

3.3 Environmental policy

Dynex is committed to environmentally sound production and believes in the importance of sustainable manufacturing. The commitment to reducing the company's impact on the environment is demonstrated by adhering to the ISO 14001 environmental standard.

Dynex Soffit is a sustainable soffit product manufactured from 100% recyclable material. For more information please refer to our environmental statement found at www.dynex.co.nz.

4.0 Care and maintenance

While Dynex Soffit requires very little in the way of maintenance, follow the below guide to help keep Dynex Soffit looking its best over time.

Cleaning	We recommend that the product be periodically washed down to help maintain its smart look. The frequency of this is up to the home owner and the buildings location. As a guide we recommend the soffit is cleaned at least once a year. A wet cloth and warm soapy water should remove most surface marks and build up. In addition to this, Hypo-Chlorite based cleaners (such as 30 Seconds) can be used. Please follow the product instructions correctly if using such cleaners. Water blasters can also be used to clean Dynex Soffit. Be careful not to expose the soffit to extreme changes in temperatures for example hosing down the soffit with cold water on a very hot day.
Maintenance	All areas where sealants and penetrations occur should be checked regularly to ensure their integrity is intact. If there is any deterioration, sealants should be reapplied.
Scratches	In the event of any surface scratches these can be minimised by cleaning with watered down 'jif'. This may result in a slight dulling of the surface in this area. Any excess cleaner should be thoroughly cleaned off after application.
Repairing	Small holes or cracks caused by damaging the board or removing objects installed against the boards can be filled using a white solvent cement applied topically. Damaged boards can be removed from between other boards and replaced.
Fixing to the boards	Note; Dynex Soffit is not a load bearing material. If installing other products to the soffit it is important to ensure it is fixed directly to the bearers. It is also important that the soffit is allowed to expand or contract in varying temperatures and not hard fixed in place. Install to framing with an over-sized hole through the soffit to allow it to move.
Painting	Dynex soffit is a pre-finished product and does not require any painting. If for any reason painting was desired, contact Dynex Extrusions.
Do not	Do not use solvent based cleaners. If you have any doubts about the suitability of a type of cleaner please contact the manufacturer of the cleaning product with regards to its use with uPVC beforehand. It is recommended that the cleaner is tried on a small area of soffit in an unseen area before using.
	Do not position a heat source in close proximity to the soffit (for example a tall gas heater where the top of the heater comes close to the soffit). Ensure that heat sources are directed away from the soffit.